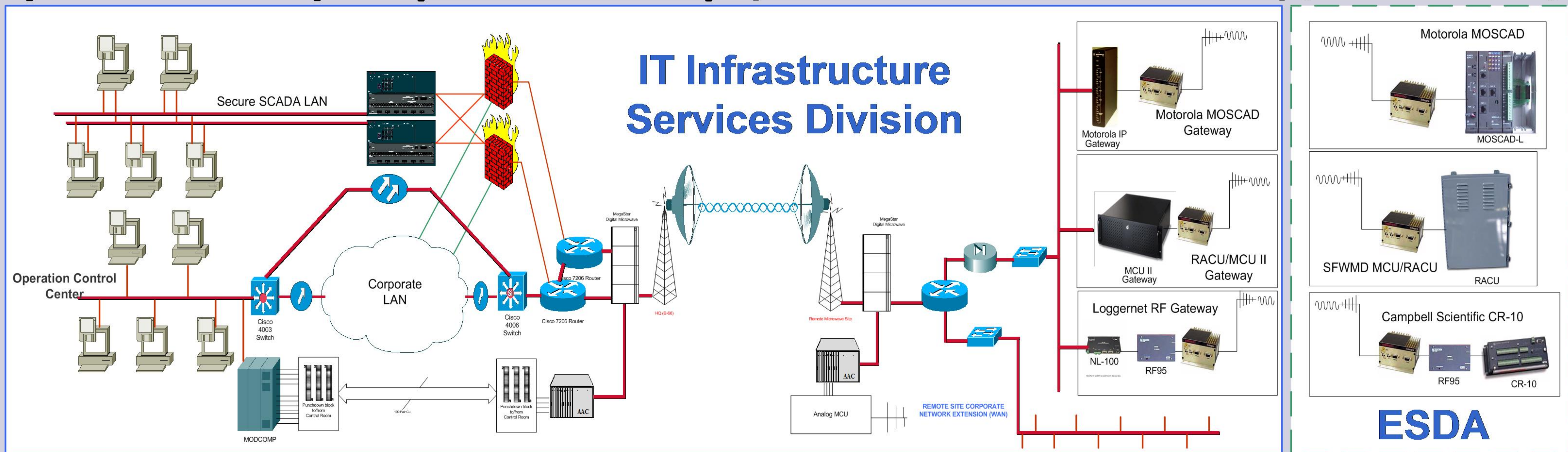# TELEMETRY NETWORK INFRASTRUCTURE

B1 Emergency Operations Center Headquarters Microwave Building (B-66) Typical Remote Microwave Site Typical Remote Terminal Unit (RTU) Site
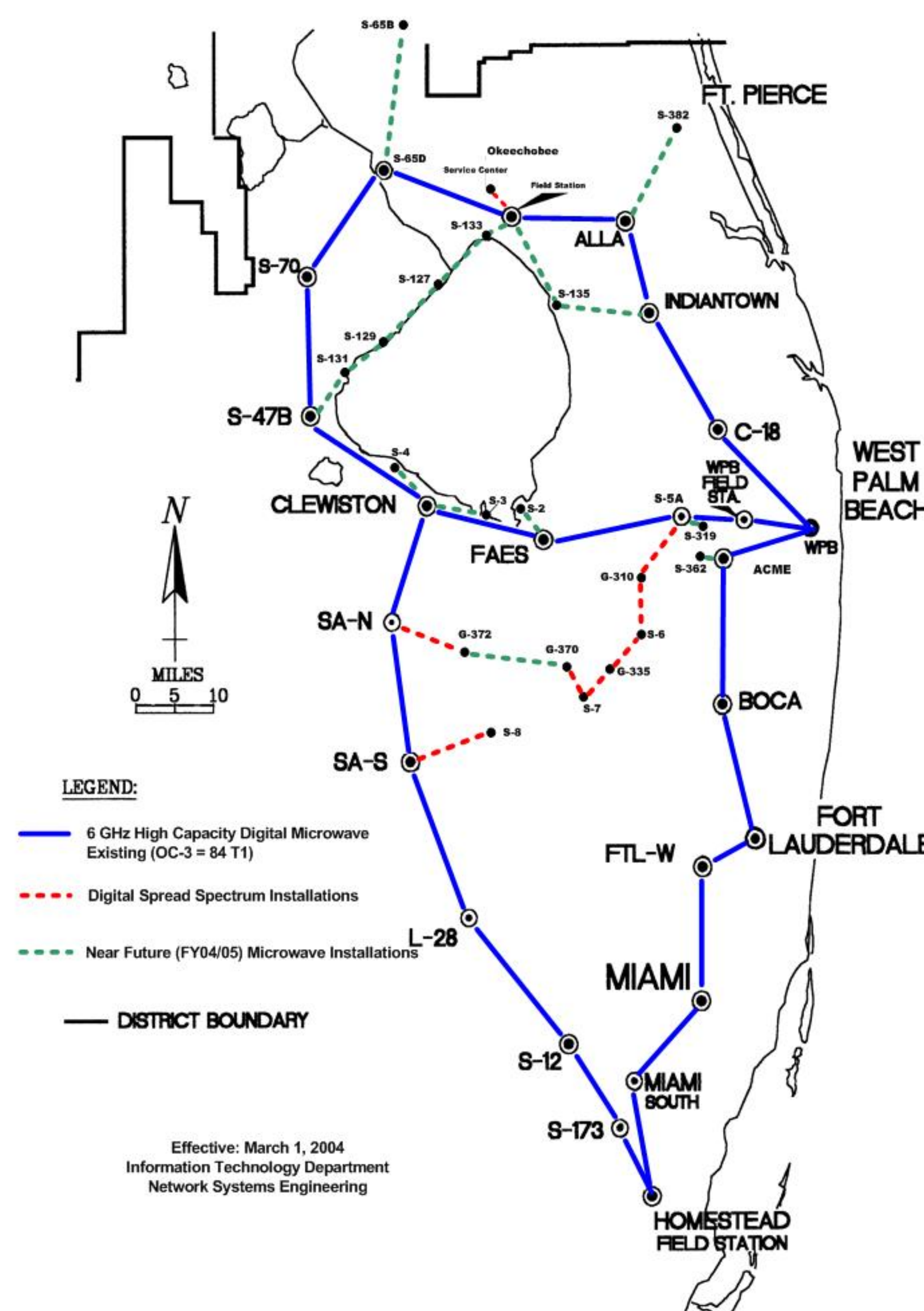
IT Infrastructure Services Division

Secure SCADA LAN

Operation Control Center

Corporate LAN

Cisco 4003 Switch

Cisco 4006 Switch

Cisco 7206 Router

MegaStar Digital Microwave

HQ (B-66)

MODCOMP

Punchdown block to/from Control Room

100 Pair Cu

Punchdown block to/from Control Room

AAC

Analog MCU

MegaStar Digital Microwave

Remote Microwave Site

AAC

REMOTE SITE CORPORATE NETWORK EXTENSION (WAN)

Motorola IP Gateway

Motorola MOSCAD Gateway

MCU II Gateway

RACU/MCU II Gateway

Loggernet RF Gateway

NL-100

RF95

Motorola MOSCAD

MOSCAD-L

SFWMD MCU/RACU

RACU

Campbell Scientific CR-10

RF95

CR-10

ESDA

Typical Microwave Tower

South Florida Water Management District Microwave Network Map

S-65B
FT. PIERCE
S-65D
Okeechobee
Service Center
Field Station
S-302
ALLA
S-70
S-133
S-127
S-135
INDIANTOWN
S-129
S-131
S-47B
C-18
S-4
WEST PALM BEACH
WPB FIELD STA
S-5A
CLEWISTON
S-5-3
S-2
FAES
S-5A
S-310
WPB
G-310
S-362
ACME
SA-N
G-372
G-370
BS-6
S-335
BOCA
SA-S
S-7
S-8
FORT LAUDERDALE
FTL-W
L-28
MIAMI
S-12
MIAMI SOUTH
S-173
HOMESTEAD FIELD STATION

N

MILES
0 5 10

LEGEND:
— 6 GHz High Capacity Digital Microwave Existing (OC-3 = 84 T1)
- - - Digital Spread Spectrum Installations
- - - Near Future (FY04/05) Microwave Installations
— DISTRICT BOUNDARY

Effective: March 1, 2004
Information Technology Department
Network Systems Engineering

The District maintains this complex and expansive network utilizing a centralized network management system called NetBoss. This network management system constantly monitors the operational status and performance of all associated equipment including microwave radios, channel banks, routers, network switches, environmental and physical site parameters. All collected data is stored in an Oracle database. The expert systems component notifies the technical staff whenever an alert is generated.

NetBoss
Comprehensive Network Management Console